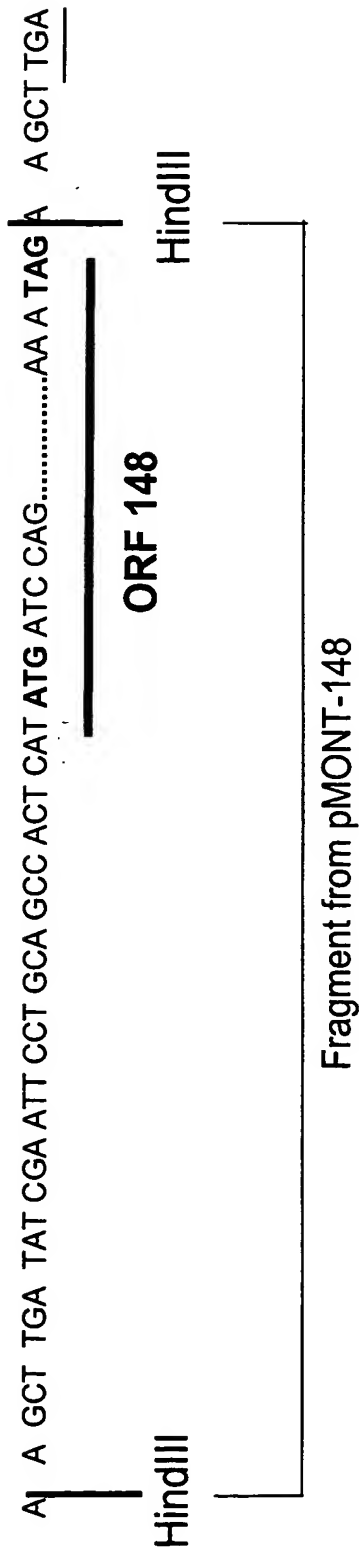


A

pPQE3 — CAT CAC CAT CAC CAT CAC GGG A TC CGC A TG CGA G CT CGG TAC CCC GGG TCG ACC TGC

B



C

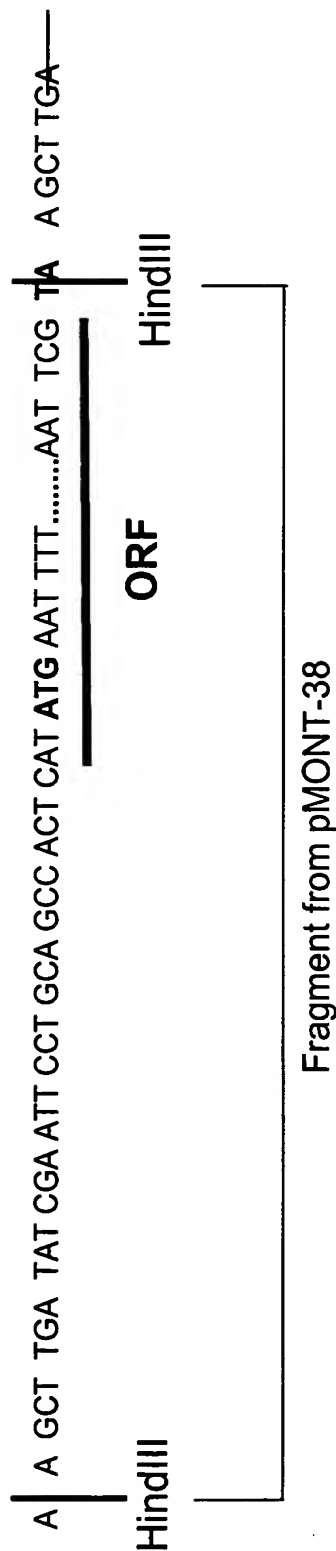


Figure 2

Figure 3

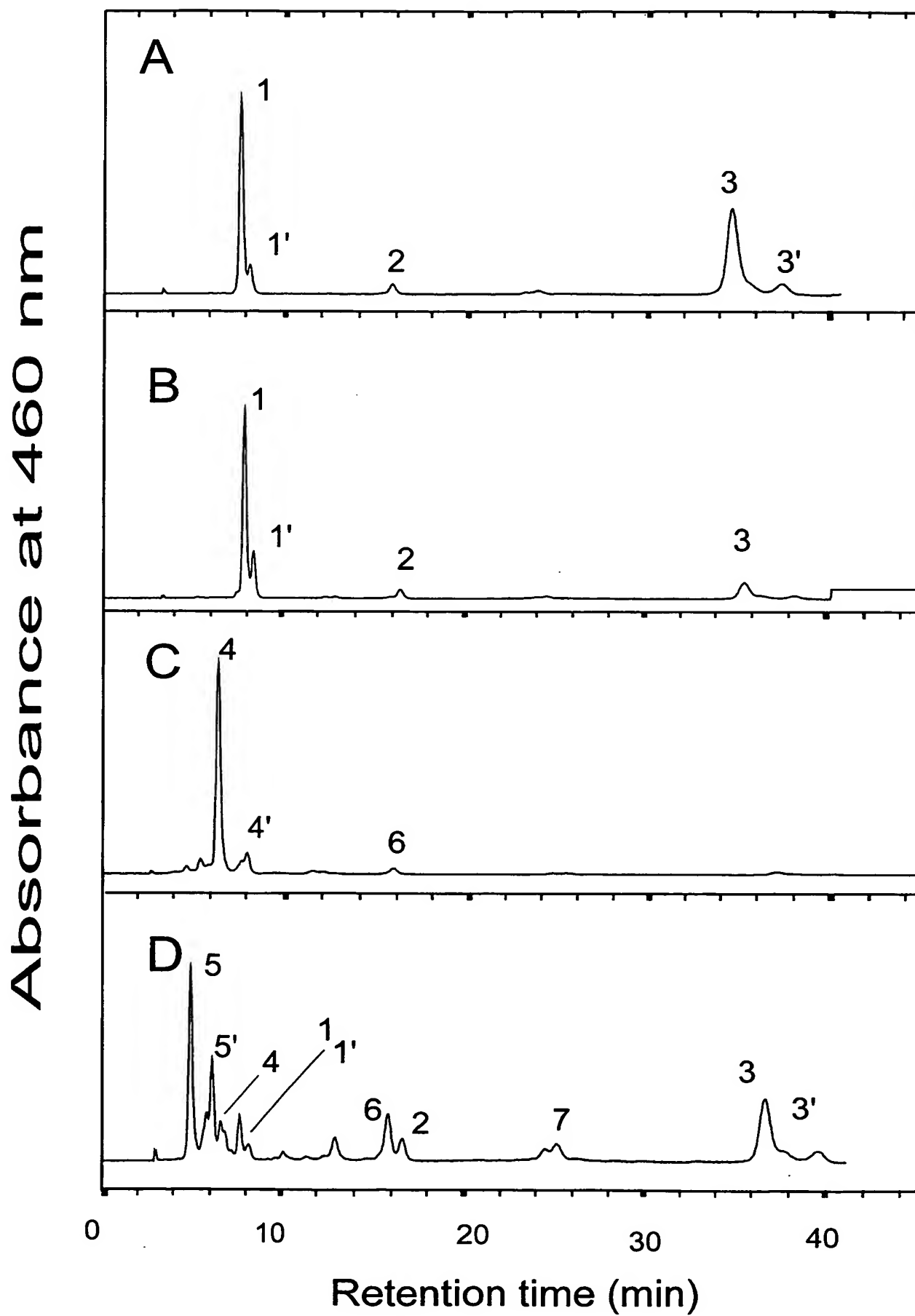


Figure 1

Nucleotide sequence of ORF 38 (786 bp)

5 TTGAATTTTTGTGATAAACCAGTTAGCTATTATGTTGCAATAGAGCAATTAAGTGCTAAA-
GAAGATACTGTTTGGGGGCTGGTGATTGTCATAGTAATTATTAGTCTTTGGGTAGC-
TAGTTTGGCTTTTTTACTAGCTATTAATTATGCCAAAGTCCCAATTTGGTTGATACCTATTG-
CAATAGTTTGGCAAATGTTCCCTTTATACAGGGCTATTTATTACTGCACATGATGCTATG-
CATGGGTCAGTTTATCGTAAAAATCCCAAATTAATAATTTTATCGGTTCACTAGCTG-
TAGCGCTTTACGCTGTGTTTCCATATCAACAGATGTTAAAGAATCATTGCTTACAT-
10 CATCGTCATCCTGCTAGCGAAGTTGACCCAGATTTTCATGATGGTAAGAGAACAAACGC-
TATTTTCTGGTATCTCCATTTTCATGATAGAATACTCCAGTTGGCAACAGTTAATAGTAC-
TAACTATCCTATTTAATTTAGCTAAATACGTTTTGCACATCCATCAAATAAATCTCATCT-
TATTTTGGAGTATTCCTCCAATTTTAAGTTCCATTCAACTGTTTTATTTCGGAA-
CATTTTTGCCTCATCGAGAACCCAAGAAAGGATATGTTTATCCCCATTGCAGCCAAACAA-
15 TAAAATTGCCAACTTTTTTGTCAATTTATCGCTTGCTACCACTTTGGTTATCATGAAGAACAT-
CATGAGTATCCCCATGTACCTTGGTGGCAACTTCCATCTGTATATAAGCAGAGAGTATT-
CAACAATTCAGTAACCAATTCGTAA

20 Nucleotide sequence of ORF 148 (759 bp)

GTGATCCAGTTAGAACAACCACTCAGTCATCAAGCAAACTGACTCCAGTACTGAGAAGTA
AATCTCAGTTTAAAGGGGCTTTTCATTGCTATTGTCATTGTTAGCGCATGGGTCATTAGCCTG
AGTTTATTACTTTCCCTTGACATCTCAAAGCTAAAATTTTGGATGTTATTGCCTGTTATACTA
TGGCAAACATTTTTATATACGGGATTATTTATTACATCTCATGATGCCATGCATGGCGTAG-
25 TATTTCCCCAAACACCAAGATTAATCATTTGATTGGAACATTGACCCTATCCCTT-
TATGGTCTTTTACCATATCAAAAACCTATTGAAAAACATTGGTTACACCACCACAATCCAG-
CAAGCTCAATAGACCCGGATTTTCACAATGGTAAACACCAAAGTTTCTTTGCTTGG-
TATTTTCATTTTATGAAAGGTTACTGGAGTTGGGGGCAAATAATTGCGTTGACTATTATT-
TATAACTTTGCTAAATACATACTCCATATCCCAAGTGATAATCTAACTTACTTTTGGGTGC-
30 TACCCTCGCTTTTAAGTTCATTACAATTATTCTATTTTGGTACTTTTTTACCCCATAGT-
GAACCAATAGGGGGTTATGTTCAGCCTCATTGTGCCCAAACAATTAGCCGTCC-
TATTTGGTGGTCATTTATCACGTGCTATCATTTTGGCTACCACGAGGAACATCACGAA-
TATCCTCATATTTCTTGGTGGCAGTTACCAGAAATTTACAAAGCAAATAG

<211> 23

<212> DNA

5 <213> artificial sequence

<220>

10

<221> Primer

<222> (1)..(23)

15

<223> 38-End

<400> 12

20 acgaattgggt tactgaattg ttg

23